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| | | | | Application Number | 10/529,453 |
| | | | | Filing Date | December 19, 2005 |
| | | | | First Named Inventor | Mehmet Toner |
| | | | | Art Unit | 1651 |
| | | | | Examiner Name | Deborah K. Ware |
| Sheet | 1 | Of | 2 | Attorney Docket Number | 32047-713.831 |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|-----------------------|---|--------------------------------|--|---|
| Examiner Initials* | Cite No. ¹ | Document Number Number-Kind Code ² (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | 1. | US 2002/0166760 A1 | 11/14/2002 | Prentiss, et al. | |
| | 2. | US 2004/0053352 | 03/18/2004 | Ouyang, et al. | |
| | 3. | US 2004/0142463 A1 | 07/22/2004 | Walker, et al. | |
| | 4. | US 2006/0000772 A1 | 01/05/2006 | Sano et al. | |
| | 5. | US 2006/0073125 A1 | 04/06/2006 | Clarke, et al. | |
| | 6. | US 2006/0121452 | 06/08/2006 | Dhallan | |
| | 7. | US 5,300,779 | 04/05/1994 | Hillman, et al. | |
| | 8. | US 5,840,502 | 11/24/1998 | Van Vlasselaer | |
| | 9. | US 5,944,971 A | 08/31/1999 | Footte | |
| | 10. | US 6,511,967 | 01/28/2003 | Weissleder, et al. | |

| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------|-----------------------|--|--------------------------------|--|---|----------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document Country Code ³ - Number ² - Kind Code ⁵ (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
| | 11. | WO 1991/016452 A1 | 10/31/1991 | Berenson | | |
| | 12. | WO 1998/02528 A1 | 01/22/1998 | Valerio et al. | | |
| | 13. | WO 1998/10869 A | 03/19/1998 | Ager, et al. | | |
| | 14. | WO 1999/38612 A | 08/05/1999 | Cheng, et al. | | |

| NON PATENT LITERATURE DOCUMENTS | | | |
|---------------------------------|-----------------------|---|----------------|
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| | 15. | AHN, et al. A fully integrated micromachined magnetic particle separator. Journal of Microelectromechanical Systems. 1996; 5(3):151-158. | |

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| | 16. | BLANKENSTEIN, et al. Modular Concept of a Laboratory on a Chip for Chemical and Biochemical Analysis. Biosensors and Bioelectronics. 1998;13(3-4):427-438 | | |
| | 17. | BODE, et al. Mutations in the tyrosine kinase domain of the EGFR gene are rare in synovial sarcoma. Mod Pathol. 2006; 19(4):541-7. | | |
| | 18. | CAGGANA. Microfabricated devices for sparse cell isolation. CNF Project #905-00. Cornell NanoScale Facility. 2003; 38-39 | | |
| | 19. | CAGGANA. Microfabricated devices for sparse cell isolation. CNF Project #905-00. Cornell NanoScale Facility. 2004-2005; 32-33. | | |
| | 20. | CHOESMEL, et al. Enrichment methods to detect bone marrow micrometastases in breast carcinoma patients: clinical relevance. Breast Cancer Res. 2004; 6(5):R556-569. | | |
| | 21. | MOHAMED, et al. A Micromachined Sparse Cell Isolation Device: Application in Prenatal Diagnostics. Nanotech 2006; 2: 641-644. (Abstract only). | | |
| | 22. | MOHAMED, et al. Biochip for separating fetal cells from maternal circulation. J Chromatogr A. 2007; 1162(2):187-92. | | |
| | 23. | NAGRATH, et al. Isolation of rare circulating tumour cells in cancer patients by microchip technology. Nature. 2007; 450: 1235-1241 (with Supplemental pages 1-10). | | |
| | 24. | OWEN, et al. High gradient magnetic separation of erythrocytes. Biophys. J. 1978; 22:171-178. | | |
| | 25. | PRIETO, et al. Isolation of fetal nucleated red blood cells from maternal blood in normal and aneuploid pregnancies. Clin Chem Lab Med. 2002; 40(7):667-72. | | |
| | 26. | UITTO, et al. Probing the fetal genome: progress in non-invasive prenatal diagnosis. Trends Mol Med. 2003; 9(8):339-43. | | |

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